EXCHANGE AND GO

ZENEC
TOUCH ANOTHER WORLD

# ZE-NC2011D

## Car Specific Naviceiver

Compatible with Volkswagen Golf VI | Golf V | Tiguan | Scirocco | Eos
Polo V | Passat | Passat CC | Jetta | Caddy | Amarok | T5 Multivan

# ZENEC E>GO ZE-NC2011D - Perfect Integration Into Your Volkswagen

In 2008, ZENEC brought the first E>GO onto the market, thereby immediately establishing a completely new category of device: the vehicle-specific naviceiver. Today, ZENEC is Germany's undisputed market leader for in-car multimedia and navigation devices. And with the new product range there are E>GO devices to fit into over 40 models of vehicle.

**E>GO - Exchange & GO**

The award winning E>GO concept allows ZENEC to offer a unique solution for those seeking a multimedia and navigation device that integrates into the design aesthetics of the car. The E>GO range is visually and technically a perfect fit in the respective target vehicle, installing without the need for additional facias, adapters and hours of installation work. What makes the E>GOs so special is the perfect integration to the existing vehicles electronics. But not just to allow the use of your steering wheel controls. E>GOs are designed to integrate into the vehicles internal CAN data network in a very simple way. But it's not the straightforward installation, immense range of functions or the easy use of the device that makes the ZENEC E>GO so unique and successful. It's that all these features are combined in one unit which fits seemlessly into your car.

With the third generation E>GO devices, ZENEC have been able use the information they have learned about each individual vehicle to allow for the best integration possible. They come with a high-resolution digital touch screen, many innovative features and ZENEC's trademark: a simple, user friendly interface.

**E>GO ZE-NC2011D - Tailored to your Volkswagen**

The ZE-NC2011D has been specifically developed for your Volkswagen, which is evidenced by the optional white or red button illumination and customized styling of the front panel making ZENEC's naviceiver blend in perfectly with the following Volkswagen models: Amarok, Caddy, Eos, Golf V, Golf VI, Jetta, Multivan, Passat, Passat CC, Polo V, Scirocco, T5 Multivan and Tiguan.

With the ability to integrate into the existing automotive electronics, the ZE-NC2011D can be linked to the steering wheel controls, the Multifunction Display (MFD+), Optical Park System (OPS) and the Climatronic control status via the vehicle-specific CAN bus interface, provided your vehicle supports these features.

The ZE-NC2011D is designed to be installed into the radio slot of any of the above named Volkswagen models, without the need for any facias or additional adapters. Simply take out the factory radio, plug in the ZE-NC2011D and drive off...

## Features

TOUCH PANEL
800 x 480 TFT LCD PANEL
DVD
24 bit D/A CONVERTER
4.1CH 4V LINE-OUT
Made for iPod
Made for iPhone
USB 2.0
SD HC
PHASE DIVERSITY FM TUNER
STALK/CAN INTERFACE INCLUDED
DRIVER INFO DISPLAY INTEGRATION
PARKING RADAR INTEGRATION
DVB-T Ready
DAB+ Ready
SECURITY CODE
FULL MAP BUNDLE
8GB 8 ON-BOARD NAV MEMORY
OPTICAL BONDING

E>GO EXCHANGE AND GO

Parrot move wireless

XVID Mobile

# Wireless communication via Bluetooth

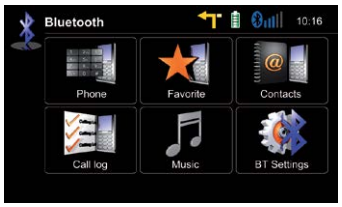
The ZE-NC2011D is equipped with a high-tech Bluetooth module from Parrot, the specialist for mobile communications, which gives you the convenience of operating a Bluetooth-capable mobile phone. This guarantees you a wide range of functions and maximum compatibility with many mobile phone models.

**Make calls without noise interference**
With ZENEC you can make phone calls in excellent quality - either using the integrated microphone or the multi-directional, freely positionable external microphone supplied with your ZE-NC2011D. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently to offer improved sound clarity.

**Easy to operate**
Parrot makes for very easy operation when driving. The caller's number, phone book entries and other information are clearly shown on the naviceiver's display. The address book of your mobile phone is automatically synchronized with the naviceiver as well. You can easily search for phone book entries – simply tap in the initial letters of the contact you want to dial. This search function is really an enormous benefit for professional use. Even special characters are no problem thanks to the multilingual keypad.

**Bluetooth always up to date**
The firmware of the Bluetooth component can be conveniently updated using a USB stick if, for example, you would like to use a brand new mobile phone model. Thus, the range of compatible mobile phones can be expanded, keeping Bluetooth on the device future proof.

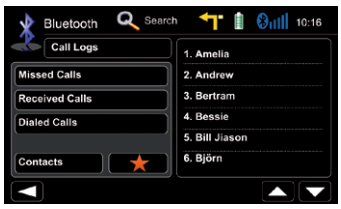
**Bluetooth Features:**
• Connection of up to 5 mobile phones • synchronization of up to 1,000 contacts with up to 5 telephone numbers per contact • alphabetical search function for contacts • multilingual input keypad, including special characters and special letters • Quick Dial manu for up to 5 favourite contacts • memory for dialed, received and missed calls • redialing • switch between hands-free and mobile phone • internal and external microphone • future-proof upgradable Bluetooth firmware



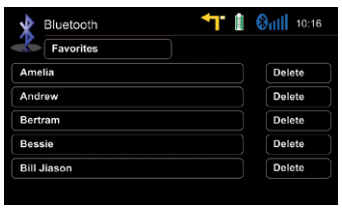

**Making Calls**
Use the clear Bluetooth menu to easily control all telephone functions - a touch is all it takes.

**Easy connections**
You can connect up to 5 mobile phones to the ZE-NC2011D, each having 1000 contacts. The address book of your mobile synchronizes with the ZENEC naviceiver automatically.

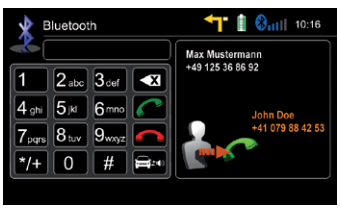
**Fast contact entry search**
The alphabetic search function makes finding a contact easier: simply type in the initial letters. You can seach using up to 15 letters.



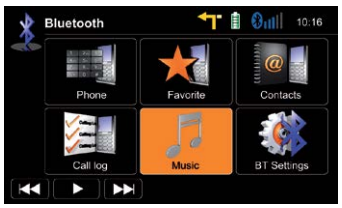

**Comfortable contact management**
You can search for a contact in the phonebook or in the favourites list. But you can also display the list of outgoing, incoming or missed calls.



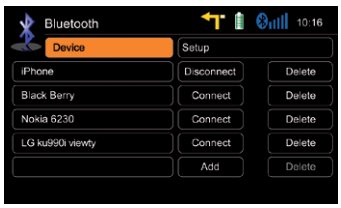

**Quick-Dial menu**
Phone numbers that you use frequently can simply be saved as favourites – so you have fast access to your most important contacts at all times.



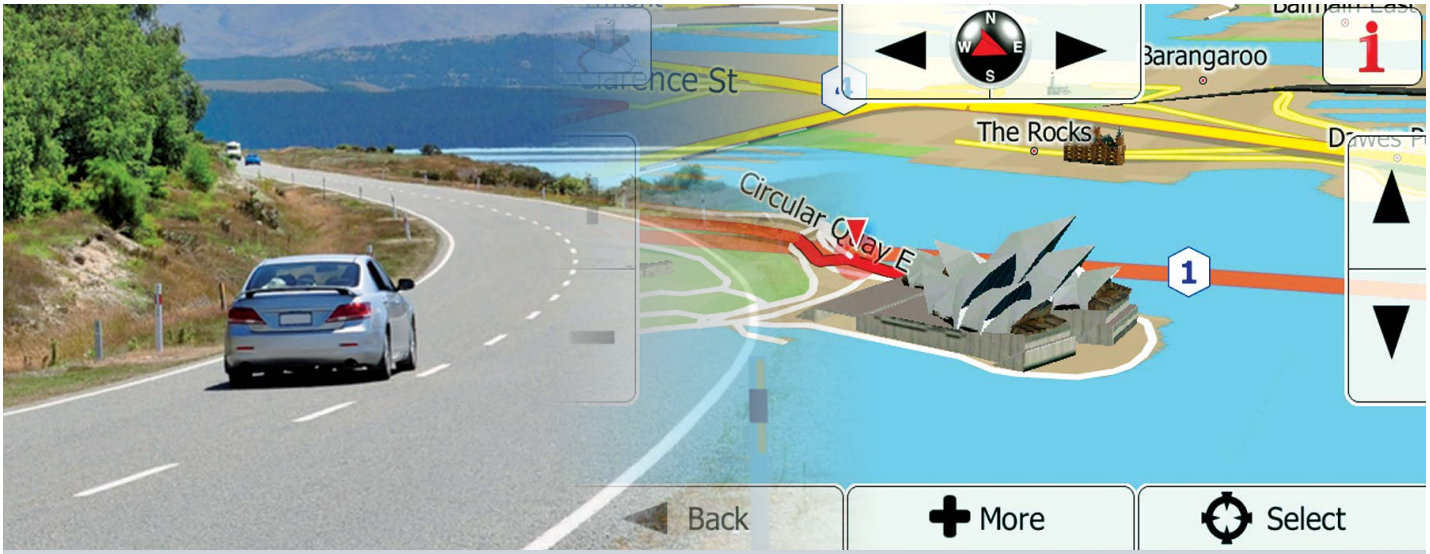

**No missed calls**
The ZENEC Bluetooth system allows for multiple calls so that you can conveniently switch back and forth between two active telephone calls.




**Music over your mobile phone**
Music stored in your mobile phone can be played back over the ZE-NC2011D thanks to A2DP and AVRCP. The playback is easily controlled via the touchscreen.




**Clear management**
With the ZENEC naviceiver you never lose track. At a glance you can see all the connected mobile phones and manage these conveniently via the touchscreen.



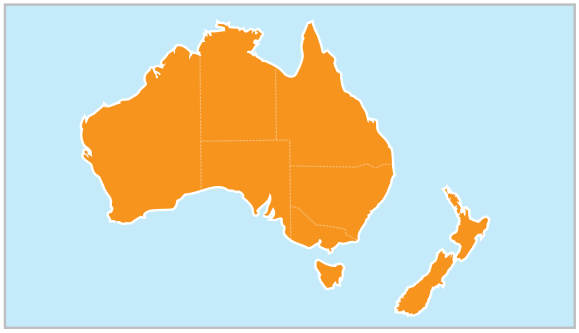

# Your Perfect Navigator

ZENEC's ZE-NC2011D comes preloaded with the latest maps of Australia and New Zealand (with Premium POI's), which appear highly realistic thanks to the 3D high-definition rendering of terrain and 3D objects. With 8GB of flash memory, there is more than enough memory available for expansion of map content and updates of map packages with 3D buildings and landscape features.

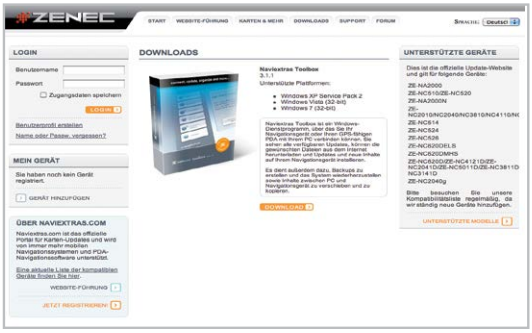
ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The quick menu provides access to all navigation functions. The "Smart" and "Eco" route calculation modes, for shorter and/or more economical driving, are hard to beat.

Features like the Real Junction View, the Lane Assistant or the Auto Zoom at crossing and junctions assist orientation in more complex traffic situations. The ZE-NC2011D also has both visual and audible warnings to indicate speed limits on major roads.

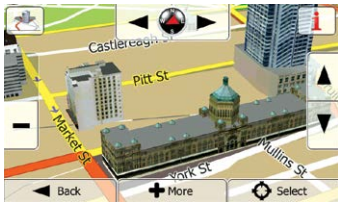
You can update the ZE-NC2011D content package, expand the navigation content with additional maps or download the newest 3D city maps.



**Navigate through Australia & New Zealand the clever way**
Detailed maps of Australia & New Zealand make sure you know where you are at all times. Choose from 28 different menu and voice languages.



**Latest Map Guarantee**
Have confidence in the navigation knowing that your ZE-NC2011D comes pre-installed with the latest maps available and complimentary updates for one year. Future map updates can be purchased through ZENEC Australia.




### High-resolution 3D maps

The high-resolution WVGA display of the ZE-NC2011D ensures that all maps appear crystal clear. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable for you.

### Topographic maps

Realistic 3D landscape views lead you through complex terrains. Choose between different designs for day and night. Thanks to GPS time acquisition, the ZE-NC2011D can also automatically switch between day and night modes.

### Text-to-Speech

The ZE-NC2011D also displays the names of crossroads. And if you wish, it will read out the street names to you, thanks to the integrated Text-to-Speech function – in this way you can concentrate fully on the traffic while driving.

### Real Junction View

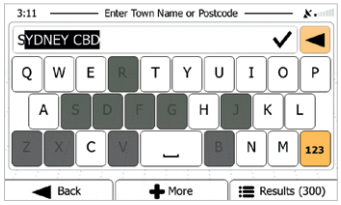
Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart-zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.

## Navigation Features

- Integrated 3D High Definition navigation with pre-installed map data for Australia and New Zealand.
- 8 GB internal flash memory for navigation software – the SD/SDHC card slot stays available for A/V use
- Graphical user interface and voice guidance in 28 different languages
- Premium POI database
- 2D or 3D map view with auto-zoom and realistic display of 3D terrains and 3D landmarks
- Text to Speech function (TTS)
- Eco and Smart Route Planning
- Smart-zoom function at intersections and crossings
- Tunnel mode
- Real Junction View and highway mode with Real Signpost rendering
- Outlook address import
- “Where-Am-I” function
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- visual and audible warning to indicate speed limits on major roads
- Latest Map Guarantee plus 1 year of complimentary navigation updates
- Map updates via the online-portal: www.zenec.naviextras.com
- external GPS antenna included in the delivery

### Reach Points Of Interests fast

The ZE-NC2011D has a Premium POI database with more than 750,000 entries. Using the well designed search menu makes it easy to select special destinations.




### Intelligent destination input

To select a destination, you need to enter only a few letters – the ZE-NC2011D completes your input and automatically proposes appropriate destinations.

### Intelligent route planning

So that you can optimize the route exactly as you want, you have a choice between various route calculation methods: short, fast, Eco and easy.

### Practical trip computer

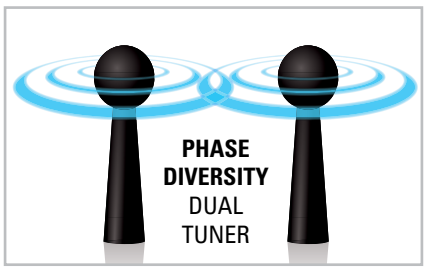
The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.

### Where Am I? function

With the ZE-NC2011D you are well prepared for all emergencies. Use the “Where Am I?” function to find hospitals, police stations, ATM's, petrol stations and much more in your vicinity - all available at your finger tip.

### Importing your Outlook contacts

Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the ZE-NC2011D by using the Naviextras Toolbox.



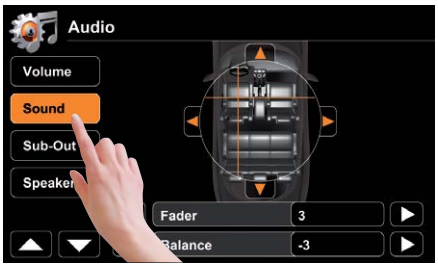

**Phase Diversity FM Dual Tuner**
The dual tuner of the ZE-NC2011D works with an FM phase diversity circuit that processes the signals of the two antennas built into the vehicle. A DSP algorithm generates the desired noise and distortion free FM signal by merging both captured radio signals into a new audio stream which means you always enjoy optimum radio reception, even when conditions are less than ideal.

**Steering wheel remote control integration**
The ZE-NC2011D is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. A/V sources (radio, CD/DVD, MP3, USB) are operated in identical fashion as with the OE radio before.

**Multifunction Display (MFD+)**
The ZE-NC2011D also supports the Multifunction Display (MFD+) by connecting to the vehicles CAN bus. Navigation prompts, radio station and track information from all audio sources can be displayed.

**Parking sensors**
Vehicles fitted with factory installed parking radar sensors will have the data in the CAN network read, processed and displayed via the ZENEC Optical Parking System (OPS) on the touchscreen of the ZE-NC2011D.

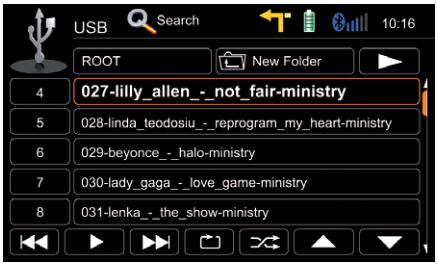
**A/C control status info integration**
The Climatronic's information, if installed in the respective vehicle and present in the CAN network, is displayed as a Pop-Up on your touchscreen display during adjustment of any A/C related functions.



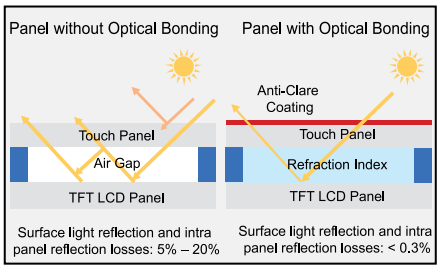

**Optimized ease of use**
The clearly designed menus are self-explanatory and easy to operate. Large control fields and logically structured navigation ensure that the ZE-NC2011D can also be controlled safely while you are driving.

**All-round information**
Thanks to the infobar function, you will be notified of incoming calls and/or audio features without leaving the navigation mode. In other playback modes there is also a navigation infobar to keep you updated when to take the next turn or exit.

**Simple connection of iPod/iPhone**
Connect you iPod and iPhone to the ZE-NC2011D via the USB port of the Media link box. The display of Album Artwork is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.




**Easy folder management**
The folder structures of your iPod/iPhone and also that of the files stored on your USB stick are completely adopted by the ZE-NC2011D. Thus you have access to your files at all times without excessive search actions.


Panel without Optical Bonding
Panel with Optical Bonding
Anti-Clare Coating
Touch Panel
Air Gap
Refraction Index
TFT LCD Panel
TFT LCD Panel
Surface light reflection and intra panel reflection losses: 5% – 20%
Surface light reflection and intra panel reflection losses: < 0.3%

**Optical bonding**
Optical Bonding improves display clarity and contrast under direct sunlight conditions. The anti-glare coating on the touchscreen and the internal lamination of the touchscreen to the TFT LCD display prevent internal reflections and light refractions – for a visible improvement of contrast and sharpness.

**Easy parking and maneuvering**
You can also easily connect a rear-view camera to the ZE-NC2011D. The extensive ZENEC range of accessories offers you a large selection of different models like vehicle-specific camera for your car.

**Individual entertainment**
You want to listen to the radio while the backseat passengers enjoy a video on the head rest monitor with head phones? The ZE-NC2011D is designed for M-Zone (Multi-Zone) operation. This allows the front and rear channels to be split for the transmission of two different program sources.

Navigation | DVD Player | RDS Tuner | USB | Camera | iPod/iPhone | SD/SDHC | Bluetooth | A/V Input | M-Zone | Xvid | Security Code

| | | | | | |
|---|---|---|---|---|---|
| **Navigation**<br>navigate by touchscreen quickly and easily throughout Australia & New Zealand | **DVD player**<br>plays CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid and JPEG | **RDS tuner**<br>with automatic station search, 30 station memory (18 FM/ 12 AM) and best station memory | **USB**<br>USB direct connection via Media link box (included), operated via the touchscreen | **Camera**<br>rear view camera input, manually or automatically activated by putting the car in reverse | **iPod/iPhone**<br>iPod/iPhone direct connection and operation via touchscreen |
| **SD/SDHC card reader**<br>integrated SD/SDHC card reader to play video files, music, etc., SDHC compatible up to 32 GB | **Bluetooth/A2DP**<br>integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware | **A/V input**<br>A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc. | **M-Zone**<br>separate A/V playback zones divided into front and rear seat entertainment | **Xvid**<br>Xvid is the container format of choice. Over 90% of present-day AVI files are encoded with Xvid. | **Security code**<br>intelligent anti-theft protection based on software monitoring of the power supply |

## Limitless Connectivity

Due to the integrated USB port and the various A/V in and outputs, there is almost nothing that cannot be connected to the ZENEC naviceiver. The ZENEC program has a wide selection of multimedia-based additional components that are optimally suited to the ZENEC naviceiver. All equipment – external monitors, DVB-T and DAB+ reiceivers or rear view cameras – can be connected directly to the naviceiver and operated via the touchscreen.

### Media Link box

The delivery scope of the ZE-NC2011D contains the compact Media link box with a high-speed USB 2.0 port and an A/V input (3.5 mm plug). With this compact box (with 1.5 m cable extension) to be stowed away in a convenient place like the centre console or the glove box, you can quickly connect or disconnect additional components like a USB stick, an iPod/ iPhone or external MP3 player.

### Connection of iPod/iPhone

Your iPod and iPhone can be connected using your USB cable or the optional ZE-NC-IPS lead (which enables iPod video). The ZE-NC-IPS not only allows for quick access to all files, but also the control of audio tracks, videos or Podcasts via the naviceiver's touchscreen. It will also charge your iPod and iPhone while you car is on.

### Accessories

The ZENEC product range includes many accessories that compliment the ZE-NC2011D such as:

- Rear cameras
- Digital TV Tuner
- DAB+ Tuner
- Rear seat entertainment

## ZE-NC2011D Main Features

**GPS NAVIGATION SYSTEM**

- 3D High-Definition navigation system
- External GPS antenna
- 8 GB internal flash memory with map data for Australia & New Zealand and Premium POI database
- Graphical user interface and voice guidance in 28 different languages
- 2D or 3D map view with auto-zoom and display of 3D terrains and 3D landmarks
- Eco and Smart Route Planning, Outlook address import, Real Junction View and Real Signpost rendering etc.
- Text to Speech function

**PARROT BLUETOOTH HANDS-FREE MODULE**

- Synchronization of up to 1,000 contacts with up to 5 telephone numbers per contact
- Alphabetical search function for contacts
- Internal and external microphone
- Future-proof upgradable Bluetooth firmware

**MULTIMEDIA PLAYER**

- DVD loader
- USB 2.0 port (via Media Link box)
- SD/SDHC card reader (up to 32 GB)
- Made for iPod/Made for iPhone
- Playback DVD loader: CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid and JPEG
- Playback SD/USB: MP3, WMA, AVI, Xvid, H.264 and JPEG

**GENERAL FEATURES**

- Intuitive, user friendly HMI in 20 different languages
- 6.5"/16.5 cm 16:9 HD TFT-LCD display with 800 x 480 pixels resolution and touchscreen control
- RDS tuner with 30 preset stations (18 FM/12 AM)
- Multi-zone function
- 4 x 50 watts class-D amplifier
- 2 x IR-remote control

**A/V-CONNECTIONS**

- 4.1-CH preamp line outputs
- 2-CH preamp line outputs without volume adjustment
- 2 x composite video outputs (NTSC)
- 1 x A/V-input
- 1 x video input for rear view camera with switching function
- Connectivity for compatible external DVB-T or DAB+ receivers

**BRAND/VEHICLE SPECIFIC FEATURES**

- Steering wheel remote control integration via CAN*
- Multifunctional display (MFD+) integration via CAN*
- Optical Park System (OPS) integration via CAN*
- Climatronic control status integration via CAN*
- DYNAUDIO Soundsystem integration
- Red or white key illumination (user selectable)

*Functionality only provided if your vehicle is fitted with these features

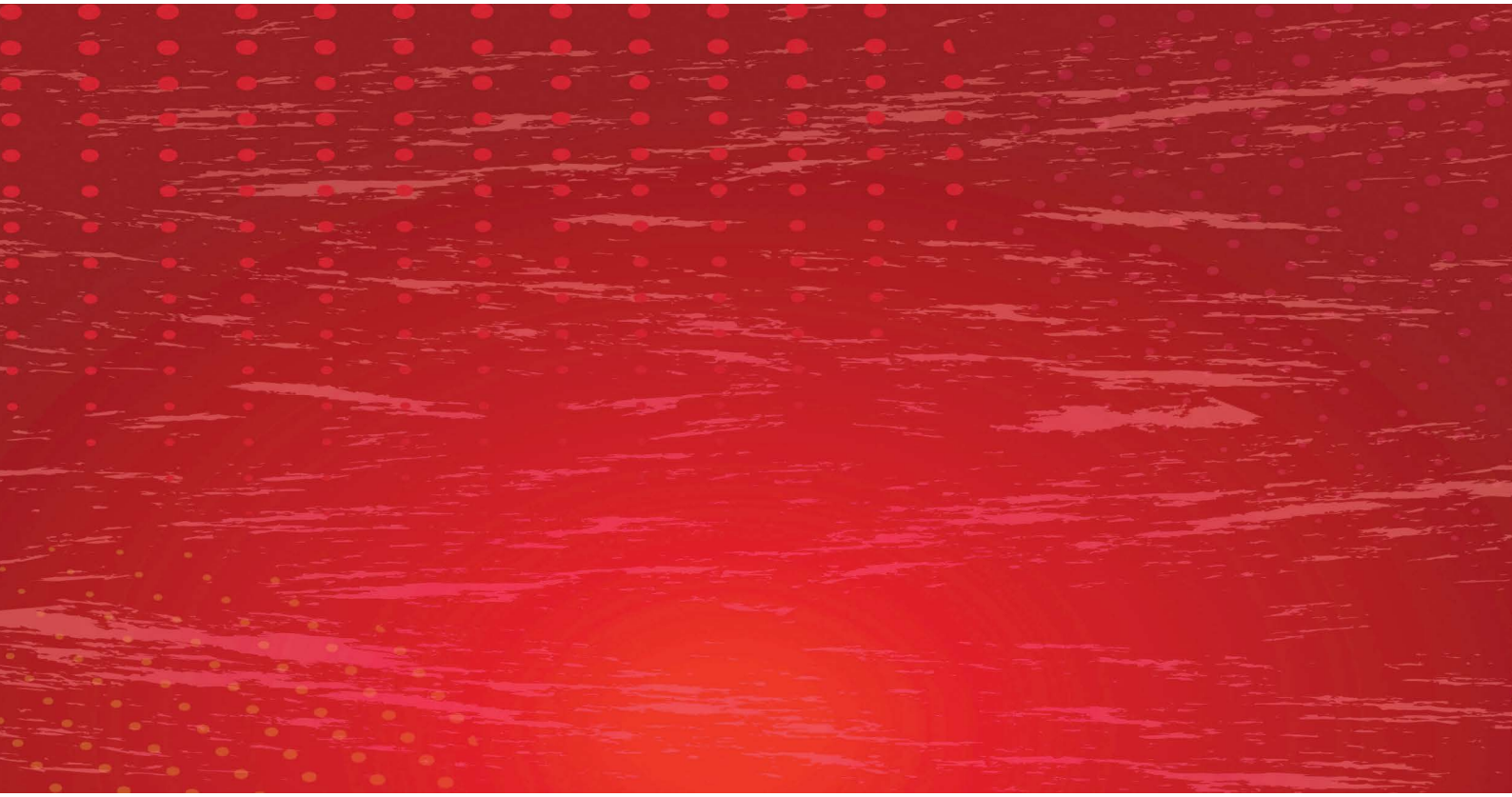
## Vehicle Compatibility List

| Model | Type | Model Year |
|---|---|---|
| VW Golf VI | MK 5 | as of 2003 – 2009 |
| VW Golf V | MK 6 | as of 2009 |
| VW Jetta | MK 5/6 | as of 2005 |
| VW Passat | B6 | as of 2005 – 2010 |
| VW Passat | B7 | as of 2010 |
| VW Passat | CC | as of 2010 |

| Model | Type | Model Year |
|---|---|---|
| VW Caddy | 2K (MK3) | as of 2003 |
| VW Tiguan | (MK1) | as of 11/2006 |
| VW Scirocco | MK3 13 | as of 08/2008 |
| VW Eos | n.a. | as of 2006 |
| VW Polo | 6 R | as of 03/2010 |
| VW Amarok | n.a. | as of 2010 |

| Model | Type | Model Year |
|---|---|---|
| VW T5 Multivan | n.a. | as of 2009 |
| SKODA Octavia II* | MK2 Facelift | as of 08/2008 |
| SKODA Superb II | 3T (MK2) | as of 2008 |
| SKODA Yeti * | n.a. | as of 2009 |
| | | |
| | | *OEM Bezel required |

The physical dimensions of the OE radio have to be identical with the dimensions of the ZENEC device, to allow installation. The vehicle must be fitted with a phase diversity antenna system. Please consult your specialty retailer.



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